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MSDH WATER SUPPLY

## 2021 CERTIFICATION

Consumer Confidence Report (CCR)

2022 JUN -2 AM 10:00

North Hinds Water Assn, Inc.

PRINT Public Water System Name

0250011, 0250015, 0250029, 0250094

List PWS ID #s for all Community Water Systems included in this CCR

### CCR DISTRIBUTION (Check all boxes that apply)

INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)	DATE ISSUED
<input type="checkbox"/> Advertisement in local paper (Attach copy of advertisement)	
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<input type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication)	
<input type="checkbox"/> Posted in public places (attach list of locations or list here) _____	
<input checked="" type="checkbox"/> Posted online at the following address (Provide direct URL): <u>https://msdhw.org/2021/northhinds.pdf</u>	5/27/22

### CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its customers in accordance with the appropriate distribution method(s) based on population served. Furthermore, I certify that the information contained in the report is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR requirements of the Code of Federal Regulations (CFR) Title 40, Part 141.151 – 155.

Dan Barber  
Name

Manager  
Title

5/27/22  
Date

### SUBMISSION OPTIONS (Select one method ONLY)

You must email or mail a copy of the CCR, Certification, and associated proof of delivery method(s) to the MSDH, Bureau of Public Water Supply.

**Mail:** (U.S. Postal Service)  
MSDH, Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215

**Email:** water.reports@msdh.ms.gov

2021 Annual Drinking Water Quality Report  
North Hinds Water Association  
PWS#: 0250011, 0250015, 0250029, 0250094  
May 2022

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MSDH-WATER SUPPLY

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Doug Barker at 601.954.5687. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Thursday in quarterly at 5:00 PM at the North Hinds Water Association Office.

Our water source is from wells drawing from the Cockfield Aquifer. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for our system have received moderate susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2021. In cases where monitoring wasn't required in 2021, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

**Action Level** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Maximum Contaminant Level (MCL)** - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum Contaminant Level Goal (MCLG)** - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Parts per million (ppm) or Milligrams per liter (mg/l)** - one part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb) or Micrograms per liter** - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Level 1 Assessment:** A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

PWSID# 0250011 (Limekiln) TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
10. Barium	N	2018*	.0055	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.5	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2018*	.363	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2021	135	No Range	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

81. HAA5	N	2021	12.6	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	10.9	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	.5	.4 – .7	mg/l	0	MDRL = 4	Water additive used to control microbes

## PWSID# 0250015 (Brownsville) TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
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### Inorganic Contaminants

10. Barium	N	2020*	.0066	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020*	3.8	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2019/21	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020*	.199	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2019/21	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2021	137	132 - 137	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

81. HAA5	N	2021	24	6.36 – 25.7	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	69	29.8 – 94.1	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	.5	.3 – .7	mg/l	0	MDRL = 4	Water additive used to control microbes

## PWSID# 0250029 (Chapel Hill) TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
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### Inorganic Contaminants

10. Barium	N	2018*	.0033	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

16. Fluoride	N	2018*	.25	.242 - .25	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2021	133	No Range	PPB	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Volatile Organic Contaminants

75. Vinyl Chloride	N	2021	17.3	No Range	ppb	0	2	Leaching from PVC piping; discharge from plastics factories
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### Disinfection By-Products

81. HAA5	N	2021	28	21.4 – 30.4	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	60	34.2 - 92	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	.6	.4 – 1.4	mg/l	0	MDRL = 4	Water additive used to control microbes

## PWSID# 0250094 (Shepherds Hill) TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
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### Inorganic Contaminants

10. Barium	N	2018*	.0054	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2018*	.343	.242 - .25	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2021	138	No Range	ppm	20	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

81. HAA5	N	2021	30	5.64 – 59.9	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	67	35.4 – 88.8	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	.6	.4 – .7	mg/l	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2021.

#### Disinfection By-Products:

(81) Haloacetic Acids (HAA5). Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of cancer  
(82) Total Trihalomethanes (TTHMs). Some people who drink water containing Trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

#### Volatile Organic Contaminants:

(76) Vinyl Chloride. Some people who drink water containing vinyl chloride in excess of the MCL over many years may have an increased risk of getting cancer.

Our systems #0250015 - Brownsville & #0250029 – Chapel Hill & #0250094 – Shepherd Hills our systems exceeded the MCL for the Disinfection Byproducts in 2021. The standard for Trihalomethanes (TTHM) is .080 mg/l. We are working to resolve the problem. On system # 250029 – Chapel Hill our system exceeded the MCL for Vinyl Chloride.

As you can see by the table, our system had no contaminant violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected, however, the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our systems #0250011, 0250015, 0250029 & #250094 are required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 0. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 0%.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The North Hinds Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.



**NORTH HINDS WATER ASSN., INC.**  
P.O. DRAWER 300  
FLORA, MISSISSIPPI 39071  
(601) 981-1657

**RETURN SERVICE REQUESTED**

PRESORTED  
FIRST-CLASS MAIL  
U.S. POSTAGE  
PAID  
FLORA, MS 39071  
PERMIT NO. 6

39071

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	246570	243090	3,480	26.44

CUSTOMER		DUE DATE PAST DUE AFTER THIS DATE
ROUTE	ACCOUNT	
1	3447	6/15/22
TOTAL DUE UPON RECEIPT		PAST DUE AMOUNT
26.44		29.08

**MAIL THIS STUB WITH YOUR PAYMEN**



**THIS BILL HAS BEEN PAID BY DRAFT, THANK YOU!!**  
Service From 4/15/2022 TO 5/15/2022 ACCOUNT 3447 5/26/2022

SHELTON THOMAS  
204 TULANE DR  
CLINTON MS 39056-6012

METER READ MONTH	DAY	CLASS	TOTAL DUE UPON RECEIPT	LATE CHARGE AFTER DUE DATE	PAST DUE AMOUNT
5	15	1	26.44	2.64	29.08

CCR ACCESS: <https://msrwa.org/2021/northhinds.pdf>



**NORTH HINDS WATER ASSN., INC.**  
P.O. DRAWER 300  
FLORA, MISSISSIPPI 39071  
(601) 981-1657

**RETURN SERVICE REQUESTED**

PRESORTED  
FIRST-CLASS MAIL  
U.S. POSTAGE  
PAID  
FLORA, MS 39071  
PERMIT NO. 6

39071

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	322260	316800	5,460	32.27
Credit				(172.78)

CUSTOMER		DUE DATE PAST DUE AFTER THIS DATE
ROUTE	ACCOUNT	
8	3355	6/15/22
TOTAL DUE UPON RECEIPT		PAST DUE AMOUNT
(140.51)(CR)		

**MAIL THIS STUB WITH YOUR PAYMEN**



392 NFE 1700C21I0006/01/22

Service From 4/14/2022 TO 5/12

RETURN TO SENDER  
TRAMONTIN  
489 HORSESHOE LN NE  
WINTER HAVEN FL 33881-5713

METER READ MONTH	DAY	CLASS	TOTAL DUE UPON RECEIPT
5	12	1	(140.5)

CCR ACCESS: <https://msrwa.org>

RETURN TO SENDER



**THIS ACCOUNT HAS A CREDIT BALANCE**

**NORTH HINDS WATER ASSN., INC.**P.O. DRAWER 300  
FLORA, MISSISSIPPI 39071  
(601) 981-1657**RETURN SERVICE REQUESTED**PRESORTED  
FIRST-CLASS MAIL  
U.S. POSTAGEPAID  
39071 FLORA, MS 39071  
PERMIT NO. 6

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	57000	54500	2.500	23.50
Late Charge				6.75
Credit				(7.43)

CUSTOMER		DUE DATE
ROUTE	ACCOUNT	PAST DUE AFTER THIS DATE
5	3544	6/15/22
TOTAL DUE UPON RECEIPT		PAST DUE AMOUNT
22.82		25.10

**MAIL THIS STUB WITH YOUR PAYMENT**

Service From 4/15/2022 TO 5/15/2022 ACCOUNT 3544 5/26/2022

METER READ MONTH	DAY	CLASS	TOTAL DUE UPON RECEIPT	LATE CHARGE AFTER DUE DATE	PAST DUE AMOUNT
5	15	1	22.82	2.28	25.10

CCR ACCESS:<https://msrwa.org/2021/northhinds.pdf>GERALD HARDY  
118 GRAND OAK BLVD  
CLINTON MS 39056-6041**NORTH HINDS WATER ASSN., INC.**P.O. DRAWER 300  
FLORA, MISSISSIPPI 39071  
(601) 981-1657**RETURN SERVICE REQUESTED**PRESORTED  
FIRST-CLASS MAIL  
U.S. POSTAGEPAID  
39071 FLORA, MS 39071  
PERMIT NO. 6

TYPE OF SERVICE	METER READING		USED	CHARGES
	PRESENT	PREVIOUS		
Water	3958100	3958100	0	22.00

CUSTOMER		DUE DATE
ROUTE	ACCOUNT	PAST DUE AFTER THIS DATE
4	1070	6/15/22
TOTAL DUE UPON RECEIPT		PAST DUE AMOUNT
22.00		24.20

**MAIL THIS STUB WITH YOUR PAYMENT****THIS BILL HAS BEEN PAID BY DRAFT, THANK YOU!!**

Service From 4/15/2022 TO 5/15/2022 ACCOUNT 1070 5/26/2022

METER READ MONTH	DAY	CLASS	TOTAL DUE UPON RECEIPT	LATE CHARGE AFTER DUE DATE	PAST DUE AMOUNT
5	15	1	22.00	2.20	24.20

CCR ACCESS:<https://msrwa.org/2021/northhinds.pdf>OWEN J ESLINGER  
1819 WESTMORELAND ST  
MCLEAN VA 22101-5103